

TABLE Y (RAGS D ADULT LEAD WORKSHEET)
Site Name: Example Site, Slag Pile 2
Receptor: Adult Worker, Exposure to Media as Described

1. Lead Screening Questions

Medium	Lead Concentration used in Model Run		Basis for Lead Concentration Used For Model Run	Lead Screening Concentration		Basis for Lead Screening Level
	Value	Units		Value	Units	
Soil	2000	mg/kg	Average Detected Value	750	mg/kg	Recommended Soil Screening Level

2. Lead Model Questions

Question	Response
What lead model was used? Provide reference and version	EPA Interim Adult Lead Model (1996)
If the EPA Adult Lead Model (ALM) was not used provide rationale for model selected.	n/a
Where are the input values located in the risk assessment report?	Located in Appendix 5
What statistics were used to represent the exposure concentration terms and where are the data on concentrations in the risk assessment that support use of these statistics?	Mean soil concentration. Data are Located in Appendix 2
What was the point of exposure and location?	OU 3 Slag pile area
Where are the output values located in the risk assessment report?	Located in Appendix 5
What GSD value was used? If this is outside the recommended range of 1.8-2.1, provide rationale in Appendix <Y>.	1.8
What baseline blood lead concentration (PbB ₀) value was used? If this is outside the default range of 1.7 to 2.2 provide rationale in Appendix <Y>.	2.0
Was the default exposure frequency (EF; 219 days/year) used?	Yes
Was the default BKSF used (0.4 ug/dL per ug/day) used?	Yes
Was the default absorption fraction (AF; 0.12) used?	Yes
Was the default soil ingestion rate (IR; 50 mg/day) used?	Yes
If non-default values were used for any of the parameters listed above, where are the rationale for the values located in the risk assessment report?	Located in Appendix 5

3. Final Result

Medium	Result	Comment/RBRG ¹
Soil	2000 ppm lead in soil results in >5% of receptors above a blood lead level of 10 ug/d and geometric mean blood lead = 11.6 ug/dL. This exceeds the blood lead goal as described in the 1994 OSWER Directive of no more than 5% of children (fetuses of exposed women) exceeding 10 ug/dL blood lead.	1500 ppm

1. Attach the ALM spreadsheet output file upon which the Risk Based Remediation Goal (RBRG) was based and description of rationale for parameters used. For additional information, see www.epa.gov/superfund/programs/lead